

Chokes for Data and Signal Lines

B82792-C2

Quad Chokes

**SMD**

Rated voltage 42 Vac/80 Vdc  
Rated current 300 to 600 mA  
Rated inductance 0,47 to 4,7 mH



**Construction**

- Current-compensated ring core quad choke with ferrite core
- Bifilar winding

**Features**

- Case flame-retardant as per UL 94 V-0
- Suitable for reflow soldering

**Applications**

- Suppression of asymmetrical interference coupled in on lines, whereas data signals up to some MHz can pass unaffectedly
- Use e.g. in telecom applications and RF equipment

**Terminals**

- Tinned

**Marking**

Manufacturer, ordering code,  
date of manufacture (month, year)

**Delivery mode**

Blister tape, reel packing

For details on taping, packing and packing units [see page 302](#)

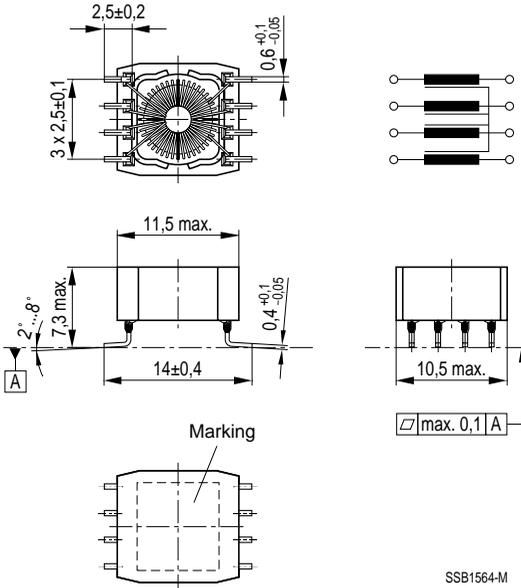




Quad Chokes

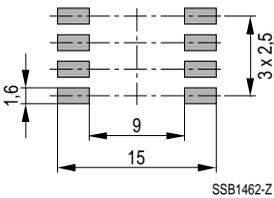


Dimensional drawing



SSB1564-M

Layout recommendation



SSB1462-Z



## Quad Chokes



## General technical data

Rated voltage $V_R$	42 Vac (50/60 Hz) 80 Vdc
Rated current $I_R$	Referred to 50 Hz and 60 °C ambient temperature
Rated inductance $L_R$	Measured with HP 4275A at $L \leq 1$ mH = 100 kHz, 10 mV $L > 1$ mH = 10 kHz, 10 mV (specified per winding)
Inductance tolerance	- 30/+ 50 %
Inductance decrease $\Delta L/L_0$	< 10 % at dc magnetic bias with $I_R$
Stray inductance $L_S$	Measured at $L \leq 1$ mH = 100 kHz, 10 mV $L > 1$ mH = 10 kHz, 10 mV
DC resistance $R_{typ}$	Typical values, measured at 20 °C ambient temperature
Solderability	(215 3) °C, (3 0,3) s wetting of soldering area $\geq 95$ % in accordance with IEC 60068-2-58
Climatic category	40/125/56 (- 40 °C/+ 125 °C/56 days damp heat test) in accordance with IEC 60068-1
Weight	Approx. 2 g

## Characteristics and ordering codes

$L_R$ mH	$L_S, typ$ nH	$I_R$ mA	$R_{typ}$ $\Omega$	$V_T$ Vdc, 2 s	Ordering code
0,47	200	600	0,25	750	B82792-C2474-N315
1,0	250	500	0,30	750	B82792-C2105-N365
4,7	450	300	0,80	750	B82792-C2475-N365

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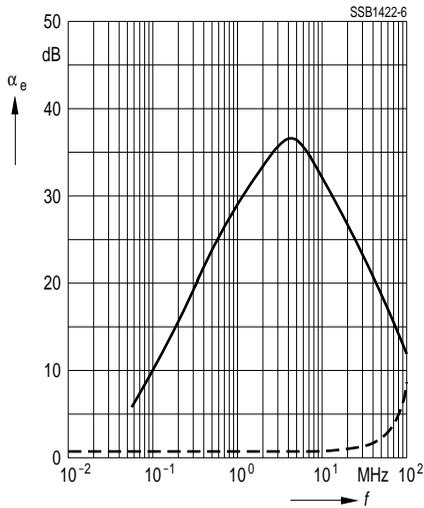


Insertion loss  $\alpha_e$  (typical values at  $Z = 50 \Omega$ )

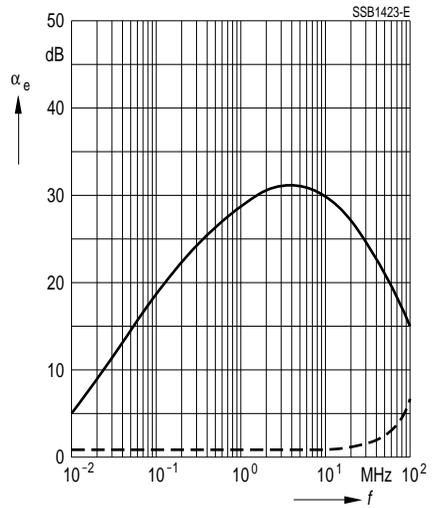
———— asymmetrical, all branches in parallel (common mode)

- - - - - symmetrical (differential mode)

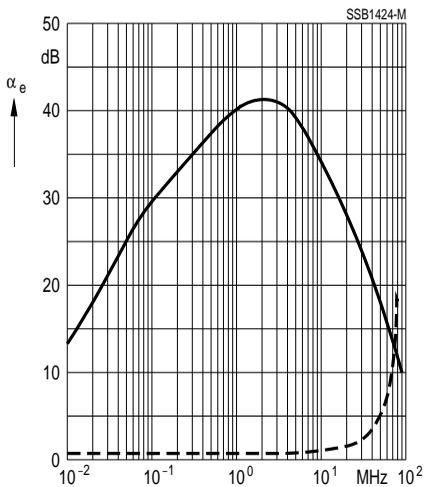
B82792-C2474-N315



B82792-C2105-N365



B82792-C2475-N365





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